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Total No. of Pages : 02

Total No. of Questions : 07

B.Sc. (IT) (2015 Batch) (Sem.-4)

SYSTEM ANALYSIS & DESIGN

Subject Code : BSIT-403

Paper ID : [74085]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

SECTION-A**1. Write briefly :**

- a) Distinguish between open and closed systems.
- b) What are the disadvantages of On-Site Observation tool of Information Gathering?
- c) Differentiate between Logical and physical design.
- d) Write two advantages of Interview technique for information gathering.
- e) Define the term Input design.
- f) Differentiate between module Coupling and Cohesion.
- g) Differentiate between Unit testing and System testing.
- h) Define the term System Maintenance.
- i) Differentiate between Alpha and Beta testing.
- j) What do you mean by System implementation? Explain.

SECTION-B

2. a) Write a brief note on various characteristics of a system. (5)
b) Explain the different elements of a system in detail. (5)
3. What is software development life cycle? Also discuss its various phases. (10)
4. a) Explain in detail the Forms-Driven Methodology used in system design. (5)
b) How is structured walkthrough conducted? What is the role of the user in this activity? Elaborate. (5)
5. a) Why do we test systems? How important is testing? Elaborate. (5)
b) Explain the following terms in brief :
 - i) Acceptance Testing
 - ii) Regression Testing (2.5+2.5=5)
6. Write a detailed note on Post implementation maintenance. (10)
7. Write a detailed note on System Implementation methods. (10)